

FILE 'MEDLINE' ENTERED AT 13:03:33 ON 19 DEC 2008

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E PARKIN N T/AU
L1      63 S E3-E5
L2      30 S L1 AND (PROTEASE)
L3      12 S L2 AND AMPRENAVIR
L4      2 S L3 AND (HYPERSENSITIVE? OR MORE SUSCEPTIBLE OR INCREASED SUSC
L5      195770 S (HIV OR HUMAN IMMUNODEFICIENCY VIRUS)
L6      12397 S L5 AND PROTEASE
L7      566 S L6 AND AMPRENAVIR
L8      13 S L7 AND (HYPERSENSITIVE? OR MORE SUSCEPTIBLE OR INCREASED SUSC
L9      11 S L8 NOT L4

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FILE 'WPIDS' ENTERED AT 13:10:59 ON 19 DEC 2008

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E PARKIN N T/IN
L10     31 S E3 OR E4
L11     17 S L10 AND PROTEASE
L12     9 S L11 AND AMPRENAVIR
L13     2 S L12 AND (HYPERSENSITIVE? OR MORE SUSCEPTIBLE OR INCREASED SU

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WEST Search History

[Hide Items](#) [Restore](#)

DATE: Friday, December 19, 2008

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
	<i>DB=USPT; PLUR=YES; OP=AND</i>		
<input type="checkbox"/>	L20	L19 and (hypersusceptibility or (more adj susceptible) or (increased adj susceptibility))	61
<input type="checkbox"/>	L19	L18 and amprenavir	500
<input type="checkbox"/>	L18	L17 and (protease adj inhibitor\$)	6454
<input type="checkbox"/>	L17	L16 and protease	13730
<input type="checkbox"/>	L16	(human immunodeficiency virus or HIV)	34522
<input type="checkbox"/>	L15	L14 and amprenavir	8
<input type="checkbox"/>	L14	(parkin.in. and neil.in. and t.in.)	14
	<i>DB=PGPB; PLUR=YES; OP=AND</i>		
<input type="checkbox"/>	L12	L11 not L1	31
<input type="checkbox"/>	L11	L10 and (HIV.ti. or (human.ti. adj immunodeficiency.ti. adj virus.ti))	31
<input type="checkbox"/>	L10	L8 and (hypersusceptibility or (more adj susceptible) or (increased adj susceptibility))	368
<input type="checkbox"/>	L8	L7 and amprenavir	1559
<input type="checkbox"/>	L7	L6 and (protease adj inhibitor\$)	10641
<input type="checkbox"/>	L6	L5 and protease	21616
<input type="checkbox"/>	L5	(human immunodeficiency virus or HIV)	43315
<input type="checkbox"/>	L4	L3 and protease.ti.	8

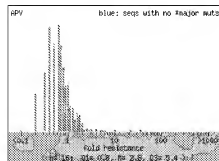
L3	L2 and (hypersusceptibility or more susceptible or increased susceptibility)	21
L2	L1 and (protease or amprenavir)	21
L1	(neil.in. and parkin.in.)	25

END OF SEARCH HISTORY



Detailed Protease Phenotype Query

Mutations:	P38S	References:	19
Drug:	APV	Isolates:	23
Assay:	APV	Results:	23
White/Other Major Mutations:			



Data susceptibility results of sequences matching input query are shown in the table below. Literature references are indicated, as well as the isolate name and type and a list of major, minor and other mutations. The fold resistance to the integrated viral protease drug is indicated in the first column of the table. Data is also summarized above in graphical format. Blue bars indicate the range of resistance of those sequences with no major drug resistance mutations and red bars indicate the fold resistance of sequences matching the input query. The total number of sequence(s), the median fold resistance(s), as well as the first(Q1) and third quartile(Q3) are indicated.

Page 1 from Result 1 to Result 23 from Total 23 Phenotype results

Author (yr)	Type	Isolates	Major Mutations	Minor Mutations	Other	Method	Drug, Fold
Carron (1999)	Clinical	piEWS2	L24I, E4V, Y82A	L10I, A71T	H5V, M36I, P38S, E2V, L83P	Contra-BS	APV 2.0
Quinn (2001)	Clinical	41-1-p14	V37I, M46I, V82A	L10I, A71Y	H5V, N37S, P38S, R41V, L83P, V70P	Virologic	APV 3.0
Quinlan (2001)	Clinical	5A11956	L96M	A71V, G73S	H5V, Q16H, K70I, E35D, K38I, P38D, E2V, L83P, P2L	Virologic	APV 1.4
Quinn (2002)	Clinical	41-16		L10I	T12K, H5V, L18I, M36I, N37E, P38S, L83P	Viro	APV 0.8
Major (2002)	Clinical	SW31806	V37I, I87V	L10I, A71T	T12A, H3V, G16E, P38S, P57K, E4V, D2V, K33L	Viro	APV 2.6
		SW31814	R54M	L33I	L18V, N37Q, P38S, R41V, L83P, V82I, R3L	Viro	APV 4.8
		SW32108	M46M, E50V	L10I, A71T	T12A, H3V, G16E, P38S, P57K, L63R, E4V, D2V, P3L	Viro	APV 5.8
Khoo (2003)	Clinical	439/200591			K74A, L33V, N37I, P38S, P41I, L60E, R2V, E4V	Viro	APV 0.8
Sheneman (2003)	Clinical	12748Pv116			G16E, P38P, M33A, P38S, P41I, L60E, E2V, L63R	Virologic	APV 0.8

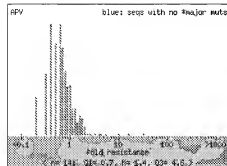
STANFORD UNIVERSITY HIV DRUG RESISTANCE DATABASE

A curated public database designed to represent, store, and analyze the divergent forms of data underlying HIV drug resistance.

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Detailed Protease Phenotype Query

Mutations: E55V
Drugs: APV
Assay: APV
With No Other Major Mut: No
References: 11
Isolate/rev: 37
Results: 26



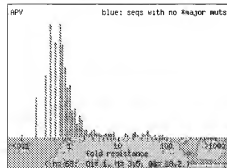
Drug susceptibility results of sequences matching input query are shown in the table below. Literature references are indicated, as well as the isolate name and type and a list of major, minor and other mutations. The fold resistance to the indicated reference drug is indicated in the last column of the table. Data is also summarized above in graphical format. Blue bars indicate the range of resistance of those sequences with no "major drug resistance mutations" and red bars indicate the fold resistance of sequences matching the input query. The total number of sequences, the median fold resistance, as well as the first (Q1) and third quartile (Q3) are indicated.

Page 1 from Result 1 to Result 26 from Total 26 Phenotype results

Author (ref)	Type	Isolates	Phlogor (RMR)	Phlogor (RMR)	Other	Method	Drug	Fold
Vargha (2000)	Clinical	LYMPH250		L101, M45V	R15V, G16E, K20R, E35D, M36I, F36I, P41K, E22V, L33T, E55D, H59K, L293M	Viro	APV	1.5
		LYMPH411	E55V		L5F, K14R, R15V, K20R, E35D, M36I, N37D, R41K, R67K, L83T, E86D, L59M	Viro	APV	0.4
Commins (2000)	Clinical	CA35549	Y33N, F53L, E64V, Y62C, E90R	L101, A71V	L133M, E34Q, N37H, Q81E, L83V, E44V, E64D	Virologic	APV	4.2
Baron (2001)	Clinical	CA234			R15V, K273N, K274L, L275P, K41L, E34E, L77V, L86M	Virologic	APV	0.6
		DFC94			R15V, M36I, R41K, L293P, E35D, F70R	Virologic	APV	0.8
Commins (2000)	Clinical	AD-10			R15V, E35D, P41K, F57P, Q81N, E44V, E55D	Viro	APV	0.6
		AD-26			L33P, E35D, E55R	Viro	APV	0.8
Wang (2000)	Clinical	297738904	F54L, Y62F	L101, Q68E	R41K, L83T, E55D, F72V, V77I	Viro	APV	15.1
		402956700			M36I, E34E, R67K, L83P, K44V, E35D, F70R	Viro	APV	0.5

Detailed Protease Phenotype Query

Isolates: H3K
 Drugs: APV
 Assay: APV
 WithNoOther:MajorMut: No
 References: 17
 Isolates: 181
 Results: 160



Drug phenotype results of sequences matching input query are shown in the table below. Literature references are indicated, as well as the isolate name and type and a list of major, minor and other mutations. The fold resistance to the indicated antiretroviral drug is indicated in the last column of the table. Data is also summarized above in graphic format. Blue bars indicate the range of resistance of those sequences with no *major drug resistance mutations* and red bar indicate the fold resistance of sequences matching the input query. The total number of sequences(n), the median fold resistance(m), as well as the first(Q1) and third quartile(Q3) are indicated.

Pages: 1 **2**

[Back To Query](#)

Page 1 from Result 1 to Result 100 from Total 182 Phenotype results

Author (n)	Type	Isolates	MajorMut	MinorMut	Other	Method	Drug Fold
Wang 2000	Clinical	L101H/LD		L101	H3V, G18A, M36I, R41K, E83D, Q81E, Q87D, M89V, L89M	Vitro	APV 0.4
		L101H/LD			H3V, K14R, G17E, K69L, M93L, K37S, R41K, S44M, P58K, L89M	Vitro	APV 0.3
		L101H/E260		L101, M45V	H3V, G18E, K26R, E26D, M93L, Q39T, R41K, G74V, L83T, E86D, H89V, L89M	Vitro	APV 1.6
		L101H/1327			H3V, G18A, M93L, K37D, G80E, Q81E, L83T, C87E, H89V, Y77I, L89M	Vitro	APV 0.4
		L101H/580			H3V, G18A, K37D, L80E, P61E, L83T, Q87E, M89V, Y77I	Vitro	APV 0.2
		L101H/340		L101	H3V, E36G, M36I, R41K, P52K, H69L, L89M	Vitro	APV 0.2
Wang 2000	Clinical	DF-1104		L101	H3V, H3V, E36D, M93L	Vitro	APV 0.8

Author (Yr)	Type	Isotopes	PMajorDMS	PMiscDMS	Order	Method	Dmg	Field
Conner (1986)	Chemical	p4V724	64V, 762F	1101, 1331	Q18E, V23P, V37S, M36E, M37S, L63P, L80M, R31	Conner-86	APV	1.0
		p4V736	64V, 762F, L80M	1101, 1331	Q18E, V23P, V37S, M36E, M37S, L63P, L80M, R31	Conner-86	APV	4.0
		p4V7743	M45V, V82P, R34V	1101, 1331	V12E, L13V, M36E, R34V, U96d	Conner-86	APV	>6.0
Yoshimura (1990)	Chemical	Y76812	L241, M40L, 64V, 762A	1101	V13V, M36E, M45V, R34V, L83P, V76B, U96d	Geneno-PBMC	APV	16.0
Conner (1992)	Chemical	Y000851	V521, M45L, V92A, U96d	1101, V63E, A21V	V22V, L83P, L86M	Yucca	APV	7.0
		Y028A79	V521, M45H, 64V	1101, V58E, A21V	L23V, V63E, R67V, L83P, V76B, U72A, L86M	Yucca	APV	29.0
		Y009696	L241, M45L, 64V, 762A	1101	L13V, R31V, L83P, R44V, L89M	Yucca	APV	8.0
		V213883	L33P, 60V	110F, V743	V13V, M45E, L63V, V771, L89M	Yucca	APV	14.0
		V216064	L33P, R54A, L80M	Q55E, Q73E	V12E, L10E, Q69E, L83P, V771, L89M, R31	Yucca	APV	31.0